

United States Government

Department of Energy

memorandum

WM DOCKET CONTROL
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Albuquerque Operations Office

'85 AUG 29 P3:21

DATE: AUG 26 1985

REPLY TO
ATTN OF: UMTRA:MGW

SUBJECT: UMTRA Vicinity Property Certification Plan

TO: Those on Attached List

The UMTRA Project Vicinity Property Certification Plan is attached for review and comment.

You are requested to provide your comments to Mary G. White, UMTRA, by September 5, 1985, for consideration prior to final printing and integration as Appendix to the VPMIM (Vicinity Properties Management and Implementation Manual).



John G. Themelis, Project Manager
Uranium Mill Tailings Project Office

Attachments

WM Record File

WM Project 39

Docket No.

PDR ✓

LPDR

Distribution:

LBH
Sollenberger
(Return to WM, 623-SS)

Van-ticket
Eragnoli



Addressees - Memorandum Dated AUG 26 1985

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1.0 INTRODUCTION

1.1 Purpose

Certification is the process by which the DOE Project Office (PO) determines that remedial action has been performed at a vicinity property in compliance with EPA standards (40 CFR 192.12). The purpose of this plan is to document the process, procedures and responsibilities for vicinity property certification.

1.2 Responsibilities

The DOE PO is responsible for certifying all vicinity properties based on information and recommendations from the Remedial Action Contractors (RAC) and the Technical Assistance Contractor (TAC). This responsibility includes notifying the property owners and the state or tribes of the certification decision.

The RACs are responsible for performing the remedial action to bring the property within the EPA standards. This includes preparation of a completion report (CR) on each property. The CR contains data on the radiological conditions at the property both before and after remedial action. An outline of a CR is provided in Appendix A. In addition to radiological data, cost and schedule information is provided in the CR. Each CR is developed based on the data requirements outlined in the Vicinity Properties Management and Implementation Manual (VPMIM) (DOE, 1984).

The TAC is responsible for maintaining the VPMIM, reviewing CRs, tracking CRs, and providing recommendations to the DOE PO for certification. The TAC reviews all CRs for accuracy and compliance with the EPA standards. All TAC recommendations are forwarded to DOE for review and decision. Appendix B is a copy of the review forms used by the TAC and submitted to the DOE PO. Appendix C presents the tracking procedure and the resultant report. After the DOE makes their decision, the TAC supplies the secretarial staff to prepare and issue letters of certification for DOE signature and mailing to property owners.

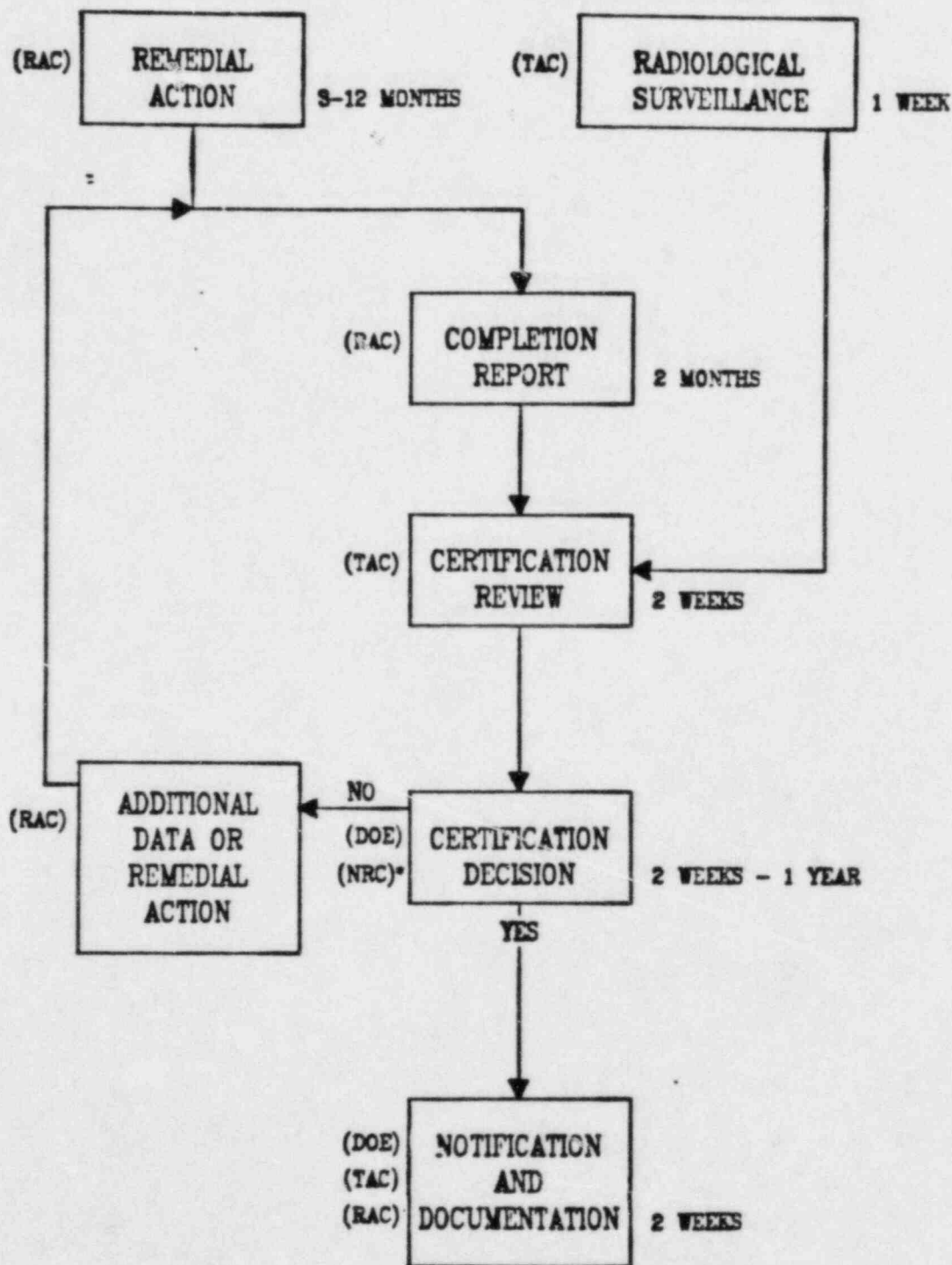
The NRC must provide review and concurrence of the certification for properties on which supplemental standards have been applied, and for properties of a complex nature, as outlined in the Memorandum of Understanding (MOU) between the DOE PO and Nuclear Regulatory Commission (NRC).

2.0 CERTIFICATION PROCESS

Figure 1 presents a flow diagram of the certification process.

FIGURE 1

CERTIFICATION PROCESS FLOW DIAGRAM



() = RESPONSIBLE PARTY

* CONCURRENCE AS REQUIRED

2.1 Remedial Action

The RACs and their subcontractors will perform remedial action to remove uranium mill tailings in compliance with EPA standards. During remedial action, the RAC will collect data in conformance with the VPMIM to accurately document the radiological levels on each individual property. These measurements may include gamma radiation exposure rates, Ra-226 concentrations in soil, and radon daughter concentrations in structures. Adequate measurements are taken to document the radiological conditions both before and after remedial action.

The TAC performs periodic radiological surveillances on certain properties but not all properties. The radiological surveillance will provide additional data for evaluation. The radiological surveillance also provides the DOE PO with the assurance that remedial action is being performed in compliance with the VPMIM and the EPA standards. This information is used later as part of the certification review.

Upon completion of remedial action, the owner signs an acceptance form (Appendix C of the Remedial Action Agreement) and the RAC prepares the completion report.

2.2 Completion Report

The RACs prepare CRs on each vicinity property in accordance with the outline presented in Appendix A. The CR includes an Operations Summary and Verification Summary. The Operations Summary documents the remedial action undertaken and a summary description of the work performed at the property. The Verification Summary documents the effectiveness of remedial action and demonstrates that the property has been restored in compliance with the EPA standards. This section presents results of pre- and post-remedial action measurements. The location, concentration, and quantity of any contamination left on the property is also documented in this section.

The CR is submitted to the TAC for review along with a copy to the DOE PO.

2.3 Certification Review

The TAC reviews the CR and prepares a certification recommendation and review form; Appendix B presents these forms. The CRs are reviewed in detail to assure that the EPA standards are met and the documentation is adequate to support a certification recommendation. Upon completion of the review, it is transmitted to the DOE PO certification official for a decision.

2.4 Certification Decision

The DOE PO certification official reviews the TAC's recommendation and all available data prior to making a decision. If a property has received remedial action from a RAC that has been designated under the current UMTRA Project program, the property may qualify for certification. For those properties remediated by other contractors, verification decisions may be in order. Both certification and verification assure that all available data indicate EPA standards have been met.

If the DOE PO certification official, in reviewing the available documentation, determines that the remedial action was not adequate or that additional data are needed to verify the clean-up, then the RAC is notified of the need for additional work via the letter presented in Figure 2. The property owner is then notified of the need for additional action, Figure 3.

On properties that require NRC concurrence, as described in the MOU, notification letters and memoranda are not issued until NRC concurrence is obtained.

2.5 Notification and Documentation

The property file is forwarded to the UMTRA Project Document Control Center (PDCC) upon the rendering of a certification decision and archived per the PDCC procedures.

The property owner is notified by letter with a copy to the RAC, TAC and state representative. Certification and verification letters are presented in Figures 4 and 5, respectively.

Upon receipt of this notification, the state will annotate the land records per the regulations that will be developed by the DOE Office of Chief Counsel.

3.0 CERTIFICATION SCHEDULE

3.1 Activity Timeframes

The generic timeframe for each activity is layed out in Figure 1. After completion of the remedial action, the RACs compile the data that are required to prepare the CR. This takes approximately two months to complete. The RAC submits the CR to the TAC for review. The TAC takes about two weeks to review the CR and make a recommendation to the DOE PO.

The DOE PO is responsible for rendering the final certification decision. This activity can be accomplished in about two weeks' time with a few exceptions. The first exception is on properties which require NRC concurrence. These decisions take about



Department of Energy
Albuquerque Operations Office
P. O. Box 5400
Albuquerque, New Mexico 87115

ADDITIONAL MEASUREMENT REQUEST

(RAC)

Dear (RAC)

Attached are _____ Completion Reports for the following _____
Vicinity Properties:

Included with each report are the TAC Vicinity Property Completion Report Review Summary. Additional measurements are required prior to consideration for verification of final clean-up to EPA standards per the TAC review.

It is requested that these data be submitted under a new recommendation for either additional remedial action or verification/certification.

Your assistance in this matter is appreciated. Should you have any questions, contact Mary G. White of the UMTRA Project Office.

Sincerely,

David M. Ball, Operations Group Leader
Uranium Mill Tailings Project Office

Enclosure
cc:
State Representative



FIGURE 3

Department of Energy
Albuquerque Operations Office
P. O. Box 5400
Albuquerque, New Mexico 87115

OWNER NOTIFICATION OF NEED FOR ADDITIONAL MEASUREMENTS

Location No. _____
Address: _____

Dear Sirs:

Under the Uranium Mill Tailings Radiation Control Act of 1978, Public Law 95-604, the Department of Energy (DOE) is authorized to conduct remedial action at properties contaminated with residual radioactive material from inactive uranium mill sites.

Review of previous data records at this office indicate that additional measurements or remedial action may be necessary to bring your property into compliance with current standards established by the Environmental Protection Agency (EPA).

Representatives of Morrison-Knudsen Co., Inc., contractor to the DOE, will be contacting you to discuss planning of future activities including data gathering, any necessary engineering or remedial action. They will also give you information on the general location of any residual material found on your property. Although we cannot, at this time, give you specific schedules for future activities, your discussion with Morrison-Knudsen Co., personnel should provide a general idea of when any additional sampling or remedial action will be performed.

Should you have any questions regarding the project of your property, please write to me at the above address, or call Mary G. White or Richard Sena of my staff at (505)844-3941. Your cooperation in assisting us in the accomplishment of this work will be appreciated.

Sincerely,

John G. Themelis, Project Manager
Uranium Mill Tailings Project

cc:
State representative
bcc: TAC VP Manager
RAC VP Manager
Operations Group, UMTRA
M. White, UMTRA



Department of Energy
 Albuquerque Operations Office
 P. O. Box 5400
 Albuquerque, New Mexico 87115

OWNER NOTIFICATION OF CERTIFICATION

RE: Vicinity Property No. _____
 Address: _____

(Property Owner)
 (Owner's Address)

Dear (Owner's Name)

Under the Uranium Mill Tailings Radiation Control Act of 1978, Public Law 95-604, the Department of Energy (DOE) with ten percent funding provided by the state, has completed remedial action at the property address listed above. Review of the available data indicates that your property has been cleared of residual radioactive contamination to the extent required by the Environmental Protection Agency (EPA) standards (40 CFR 192). Therefore, the DOE certifies that your property is in compliance with the EPA standards.

The current status of your property will be recorded by the State on the appropriate property records, per requirements of Public Law 95-604. Records of UMTRA vicinity properties are archived with the State and the United States Department of Energy.

Should you have any questions regarding the project or your property, please call Mary G. White of my staff at (505) 844-3941 or your State Radiological Health Office. Your cooperation in the successful accomplishment of this work has been greatly appreciated.

Sincerely,

John G. Themelis, Project Manager
 Uranium Mill Tailings Project Office

cc:
 State Representative (2)

bcc:

TAC, V-P Manager (2)
 RAC, V-P Manager (1)
 M. White, UMTRA
 NLO (1)



Department of Energy
Albuquerque Operations Office
P. O. Box 5400
Albuquerque, New Mexico 87115

OWNER NOTIFICATION OF VERIFICATION

Vicinity Property No. _____
Address: _____

(Property Owner)
(Owner's Address)

Dear (Owner's Name)

The Department of Energy (DOE), Uranium Mill Tailings Remedial Action Project Office (UMTRA PO) has reviewed the available data on your property. The data indicates that your property has been cleared of residual radioactive contamination to the extent required by the Environmental Protection Agency (EPA) Standards (40 CFR 192). Therefore, the DOE verifies that your property is in compliance with the EPA standards.

The current status of your property will be recorded by the State on the appropriate property records, per requirements of Public Law 95-604. Records of UMTRA vicinity properties are archived with the State and the United States Department of Energy.

Should you have any questions regarding the project or your property, call Mary G. White of my staff at (505) 844-3941 or your State Radiological Health Office.

Sincerely,

John G. Themelis, Project Manager
Uranium Mill Tailings Project Office

cc:
State Representative

bcc:
TAC, V-P Manager
RAC, V-P Manager
M. White, UMTRA

six weeks. The second exception is on those properties which require extended RDC measurements; in those cases, a final decision cannot be delivered for up to one year after remedial action as explained in Section 3.2, below.

After the DOE PO has made the final certification decision, it takes approximately two weeks to send out the notification letters and to archive all the files on any given property. The annotation of land records should also take place during this two-week time frame and is assumed to occur at this time until other indications are received from the DOE Office of Chief Council (OCC).

3.2 Constraints

Currently, the primary constraint in completing certification on any property with a habitable structure is the requirement for an indoor radon daughter concentration (RDC) measurement. If an instantaneous grab sample does not meet the criteria of 0.01 Working Level (WL), then a long-term RDC measurement, which can require a year to complete, must be taken. Since a property cannot be certified without this RDC measurement, this becomes the time constraint in the process. For those properties that require the annual average RDC measurement, the RAC will submit the completion report immediately after the completion of remedial action with a provision for the RDC measurements to be submitted and approved at a later date. The TAC will provide a certification recommendation contingent on the results of the RDC measurements. These files will be held by the DOE PO until the final RDC results are submitted.

This schedule constraint may be reduced upon the approval and use of new measuring devices and techniques by the TMC and DOE PE.

APPENDIX A

VICINITY PROPERTY

COMPLETION REPORT

AT

VICINITY PROPERTY NUMBER: (AA99999-AA)

(ADDRESS)

(REPORT DATE)

FOR

URANIUM MILL TAILINGS REMEDIAL ACTION PROJECT
U. S. DEPARTMENT OF ENERGY
ALBUQUERQUE, NEW MEXICO

BY

(RAC)

(RAC PM SIGNATURE)
PROJECT MANAGER

(RAC) has been granted authorization to perform remedial action under the Uranium Mill Tailings Radiation Control Act of 1978, Public Law 95-604. Remedial action was done in accordance to the EPA Standards for Cleanup of Lands and Buildings Contaminated with Residual Radioactive Material from Inactive Uranium Processing Sites, 40 CFR 192.12, 192.20-23.

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NOTE: All measurements must show statistical errors and be reported in IIMTRA approved radiologic units. All values must be products of approved calculations and/or analyses.

1.0 SUMMARY

Property Number: ()

Property Address: ()

Property Owner: _____
(NAME)
(ADDRESS)

Property Category: (single residence
commercial, etc.)

Remedial Action Contractor:

Construction Subcontractor(s): _____ (Name(s))
 _____ (Subcontract Number)

Radiologic Contractor:

REA Approved: _____ (Date)

Remedial Action Started: _____ (Date)

Remedial Action Completed
(Appendix C Signed): _____ (Date)

Volume of Material Removed: Indoor: (Cubic yards)
Outdoor: (Cubic yards)

Complete Project Cost _____ (\$)

2.0 OPERATION SUMMARY

2.1 Abstract of Remedial Action Plan

(Brief description of areas excavated, items removed and replaced).

2.2 Previously Unidentified Contamination

(Brief description of uranium mill tailings contamination and areas excavated that were not in the REA).

2.3 Unanticipated Items During Remedial Action

(Brief description of unplanned events occurring during the remedial action activities including any additional work that affected the costs or schedule).

2.4 Application of Supplemental Standards (If applicable).

(Brief description of any areas where Supplemental Standards were applied, including the reasoning for using Supplemental Standards. The volume, location and activity of any contamination left on the property should be given).

2.5 Warranty Work (if applicable)

(Brief description of nature of work and related data. The date should be given).

3.0 VERIFICATION SUMMARY

3.1 Radiological Survey Data

All survey data were acquired according to approved procedures.

3.1.1 Pre-Remedial Action Surveys

The results of the survey defining the contaminated areas requiring remedial action are presented in Figures 3.1 and 3.2.

3.1.2 Pre-Restoration Survey

Exterior

After removal of contamination, and prior to back-filling, a gamma survey was completed by (RAC). The exposure-rate values ranged from (uR/h) to (uR/h), and averaged (uR/h). These data are presented in Figure 3.3. (Additional soil samples were collected and analyzed for Ra-226 concentration. Sample locations appear on Figure 3.3, with Ra-226 concentration values in Table 3.1). These results confirm that exterior contamination has been reduced to levels below the EPA standards for radium-in-soil.

Interior (if applicable)

Following the excavation of sub-structural contaminated material, a gamma scan (and soil samples analyzed for Ra-226 concentration) indicated that property no. (AA99999-AA) met the clean-up criteria of the U.S. EPA. These data are provided in Figure 3.4 and Table 3.1.

Radon daughter concentration (RDC) measurements were made in (number) locations according to procedure (RAC procedure no.). These locations are shown on Figure 3.4 and results in Table 3.1. These results confirm that indoor radon concentrations have been reduced to levels below the EPA standards.

Vicinity Property No. (AA99999-AA)

3.2 Recommendation for Certification

(Brief description of results compared against EPA standards).

Figure 3.1 Pre-Remedial Action Exterior Radiological Assessment
(Combine with Figure 3.2 if possible)

- o Property Boundary
- o Structures and Landscape
- o Utilities
- o Gamma Exposure Rate Grid Point Measurements
 (above an approved threshold value)
- o Soil Sample Locations* (if applicable)
- o Borehole Locations* (if applicable)
- o Extent of Contamination

* NOTE: Soil sample and borehole results located on Table 3.1.

Figure 3.2 Pre-Remedial Action Interior Radiologic Assessment
(if applicable)

- o Structure Outline
- o Room Outlines
- o RDC Sample Locations*
- o Borehole Locations*
- o Gamma Exposure Rates (surface and 1 Meter)**
 (above an approved threshold value)
- o Basement and Second Story (if applicable)

* NOTE: RDC sample and borehole results located on Table 3.1.

** NOTE: Where grid surveys were used, state grid size.
range and average gamma values should be provided.

Figure 3.3 **Post-Excavation Exterior Radiologic Survey Results**
(Combine with Figure 3.4 if possible)

- o Property Boundary
- o Structures and Landscape
- o Utilities
- o Verification Gamma Measurements
- o Soil Sample Locations (if applicable)*
- o Remaining Contamination (if supplemental standards were implemented)

* NOTE: Soil sample results located on Table 3.1.

Figure 3.4 **Post-Excavation Interior Radiologic Survey**
(if applicable)

- o Structure Outline
- o Room Outlines
- o Verification Gamma Measurements
- o RDC*/Track etch Locations
- o Basement and Second Story (if applicable)
- o Remaining Contamination (if supplemental standards
 were implemented)

* NOTE: WL measurements are in Table 3.1.

Table 3.1 Pre-Excavation and Post-Excavation Soil Sample, Delta, and RDC Results

<u>Sampling Location</u>	<u>Grid Location</u>	<u>Ra-226 (pCi/g)</u>		<u>RDC (WL)</u>	
		<u>Pre-RA*</u>	<u>Post-RA*</u>	<u>Pre-RA*</u>	<u>Post-RA*</u>

Exterior

Interior

* Footnotes should indicate the type of measurement.

Vicinity Property No. (AA99999-AA)

4.0 REFERENCES
(as required)

- Inclusion Survey Reports
- REA
- RAC Procedures
- VPMIM
- EPA Standards

APPENDIX A - REMEDIAL ACTION STATISTICS

A.1.2 Material Quantities and Costs

Description	Estimate		Actual		Variance		FOOTNOTE IF APPLICABLE
	VOL.	COST	VOL.	COST	VOL.	COST	
Exterior Excavation	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	1
Interior Excavation	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	2
Exterior Backfill	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	3
Interior Backfill	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	4
Replacement Concrete	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	5
Topsoil	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	6
Sod	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	7
Etc	(yd) ³	(\$)	(yd) ³	(\$)	(yd) ³	(\$)	8
TOTAL COST							

The footnote for each item will be explained after the table.

Engineering and Management (prior to RA subcontract award)	(\$)
RA Management (RAC costs subsequent to RA subcontractor award)	(\$)
RA Subcontractor Award	(\$)
RA Final Contract Value	(\$)
Dislocation/Reimbursement	(\$)
Total Cost of Project	(\$)

Variances should be explained in footnotes.

APPENDIX B



CERTIFICATION RECOMMENDATION FORM

DOE Location No. _____ Rev. No. _____

[illegible]

CERTIFICATION REVIEW SUMMARY

Property No: _____ R.A. Contractor: _____
Address: _____ Subcontractors: _____

Property Category: _____ Quantity of contaminated soil removed from: _____
Reviewed by: _____ Date: _____ open land: _____ yd³
structures: _____ yd³
Approved by: _____ Date: _____ Estimated quantity of contamination remaining: _____
open land: _____ yd³
structures: _____ yd³
Kenneth R. Baker
Manager, Radiological Services
Jacobs-Weston Team

The recommendation for certification is based on a review of the Completion Report describing remedial actions and resulting radiological conditions at this property. Measurement methods and data are compared to the requirements provided in the Vicinity Properties Management and Implementation Manual, and in 40 CFR 192 Subpart B. The following recommendations are made according to the intent of those requirements:

1.0 CERTIFICATION

- This property complies with the EPA standards and is recommended for Certification.
- This property is recommended for Certification only after the conditions listed in 3.0, below, are met.
- Remedial actions were refused by the property owner, and the property cannot be Certified.

2.0 SUPPLEMENTAL STANDARDS

- Supplemental standards were not applied at this property.
- Supplemental standards were applied as follows:

- The following agencies concurred in the application of Supplemental standards at this property:

3.0 CONDITIONS

- The following additional measurements are required:

- The following additional actions must be completed:

**VICINITY PROPERTY CERTIFICATION REVIEW
FOR COMPLIANCE WITH RADIOLOGICAL STANDARDS**

Property No. _____

Qty. of soil removed: _____ (yd³)

RA Contractor _____

Address _____

Reviewer _____

Subcontractors _____

Date _____

CERTIFICATION REQUIREMENT	COMPLIANCE			COMMENTS (Reference page in completion report)
	Yes	No	N/A	
I. SOIL EXCAVATION				
1. Were soil samples collected/analyzed? (List quantity of surface and sub-surface samples).				
2. Did grid intervals equal 10 feet or less? (List grid size and quantity of grids sampled).				
3. * Did grid locations duplicate prior survey locations?				
4. Were data to be averaged presented?				
5. Were adequate spatial averaging techniques clearly demonstrated?				
6. Were alternative measurements performed? (List types of measurement, range, and average of results).				

* Not required for certification.

**VICINITY PROPERTY CERTIFICATION REVIEW
FOR COMPLIANCE WITH RADIOLOGICAL STANDARDS
(Continued)**

CERTIFICATION REQUIREMENT	COMPLIANCE			COMMENTS (Reference page in completion report)
	Yes	No	N/A	
7. Were all contaminated areas sampled after excavation?				
8. Were soil concentrations averaged over 100 m ² less than:				
o 5 pCi/g plus background (surface)?				
o 15 pCi/g plus background (subsurface)?				
II. INDOOR GAMMA SCAN				
1. Were assessment measurements taken in every room and every habitable building?				
2. Were small rooms scanned and large rooms (2000 sq ft) gridded at intervals of 10 ft. or smaller?				
3. Were verification measurements taken at locations of prior maximum readings?				

**VICINITY PROPERTY CERTIFICATION REVIEW
FOR COMPLIANCE WITH RADIOLOGICAL STANDARDS
(Continued)**

CERTIFICATION REQUIREMENT	COMPLIANCE			COMMENTS (Reference page in completion report)
	Yes	No	N/A	
II. INDOOR GAMMA SCAN (Continued)				
4. Were instrument readings corrected to indicate microR/hr? (List range and average of readings).				
5. After remedial action, was the average value for each room or 2000 sq-ft-area less than 20 microR/hr above background?				
6. If any reading exceeded 20 microR/hr above background, was it satisfactorily investigated to ensure no tailings involvement?				
III. INDOOR RDC MEASUREMENTS				
1. If RDC measurements were performed during assessment surveys, were they repeated after remedial action was completed?				
2. If tailings were excavated near the structure, or around utilities into the structure, were RDC measurements performed after remedial action?				

**VICINITY PROPERTY CERTIFICATION REVIEW
FOR COMPLIANCE WITH RADIOLOGICAL STANDARDS
(Continued)**

CERTIFICATION REQUIREMENT	COMPLIANCE			COMMENTS (Reference page in completion report)
	Yes	No	N/A	
III. INDOOR RDC MEASUREMENTS (Continued)				
3. If grab samples were used for verification, were acceptable procedures used?				
4. Were grab sample results less than 0.01 M? (List range and average of results).				
5. If annual average measurements were used for verification, were acceptable procedures followed?				
6. Were annual average RDC results less than EPA M standards? (List range and average of results).				
IV. OTHER VERIFICATION MEASUREMENTS				
1. If adequate indoor RDC and gamma data are not presented, were additional measurements taken indoors?				
2. Were acceptable procedures used?				

**VICINITY PROPERTY CERTIFICATION REVIEW
FOR COMPLIANCE WITH RADIOLOGICAL STANDARDS
(Continued)**

CERTIFICATION REQUIREMENT	COMPLIANCE			COMMENTS (Reference page in completion report)
	Yes	No	N/A	
IV. OTHER VERIFICATION MEASUREMENTS (Continued)				
3. If Rn-222 samples were analyzed, were results less than 2.0 pCi/l?				
4. If surface contamination measurements were taken, were results less than:				
o 20 dpm/100 sq cm for removable activity?				
o 200 dpm/100 sq cm for total activity?				
5. Were sufficient measurements taken to supplement the RDC and gamma data?				
V. SUPPLEMENTAL STANDARDS				
1. If all contaminated areas at the property were not cleaned up, were supplemental standards (40 CFR 192 Subpart C) applied?				
2. Was the application of supplemental standards in accordance with the Plan for Implementing EPA Standards?				

**VICINITY PROPERTY CERTIFICATION REVIEW
FOR COMPLIANCE WITH RADIOLOGICAL STANDARDS
(Concluded)**

CERTIFICATION REQUIREMENT	COMPLIANCE			COMMENTS (Reference page in completion report)
	Yes	No	N/A	
V. SUPPLEMENTAL STANDARDS (Continued)				
3. Did appropriate state or Federal agencies concur in this application of supplemental standards?				
VI. SITE AUDIT RESULTS				
1. If a site audit has been performed at this property, were the results satisfactory?				
2. If the contractor's efforts were evaluated at other properties, were the results satisfactory?				
V. CERTIFICATION				
1. Is this property recommended for certification as meeting the EPA standards for residual radioactive material? If not, why?				

APPENDIX C

VICINITY PROPERTIES DRAFT CERTIFICATION TRACKING PROCEDURES

- 1.0 The RAC shall transmit all property completion reports, with the official property portfolio, to the TAC Vicinity Property Manager (VPM), with a copy to the DOE certification official. Upon receipt, the TAC will log the completion report date and the date of receipt into the Certification Tracking System (CTS). The VPM will assign reviews to the Radiological Services (RS) group of the TAC, and will provide a schedule for completion of the review. The Certification Recommendation form located on page B-1 will be utilized as the routing slip for the certification process.
- 2.0 The RS will review all property completion reports for adequacy and compliance with the EPA standards. The RS group will complete a review summary, pages B-2 through B-8, for each property. The recommendation will be logged into the CTS with the date of the recommendation. All of the TAC's recommendations will be transmitted to the DOE for approval.
- 3.0 If a property is to be either verified or certified, a letter, Figure 4 or 5, is prepared by the TAC and transmitted with the recommendation to the DOE for signature. The letter will be signed by DOE, and returned to the TAC. The TAC will date and issue the letter to the property owner with a copy to the RAC, and state or tribe representative. The property owner will also receive an abbreviated copy of the property completion report. The TAC will also archive the official property portfolio in the Project Document Control System (PDCS). The procedure for this archiving is presented in the detailed procedure manual for document archiving.
- 4.0 If the DOE certification official determines that additional remedial action or measurements are required for certification, the DOE will send a letter, Figure 2, with a copy of the TAC review form, and the property portfolio to the RAC, directing them to perform the required action so the property can be certified. A copy will be sent to the TAC VPM and the date of this letter will be logged into the CTS. In addition, a letter, Figure 3, will be sent to the property owner informing him that additional work will be required on his property.
 - 4.1 The RAC will submit, to the VPM, with a copy to the DOE certification official, an addendum to the property completion report that documents the completion of the required additional action. The TAC VPM will assign the review to the TAC RS group.
 - 4.2 The TAC RS group reviews the addendum and provides a new recommendation to the DOE. The date the additional action was completed and the date of the new TAC recommendation are logged into the CTS.

Steps 4.1 and 4.2 are repeated until the property is certified.

Page C-2 shows a copy of the recommended Certification Tracking System report that will be utilized for UMTRA vicinity properties.

CERTIFICATION SUMMARY

09-Aug-85

VP NUMBER	RA COMPLETED	COMPLETION REPORT DATE	STA	RECEIVED FOR TAC REVIEW STA	TAC RECOMMENDATION	TAC RECON DATE	STA	DOE DECISION	DATE OF DOE LETTER	STA	REVIEW DURATION	
CA0001	07-Sep-83	15-Nov-83	A	24-Jan-84	A	CERTIFY	27-Nov-84	A	CERTIFY	30-May-84	A	308
CA0003	09-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0005	08-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0007	10-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0008	19-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0013	19-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0014	15-Nov-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0015	07-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0020	08-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0021	14-Dec-82	15-Nov-83	A	24-Jan-84	A	MEASURE	13-Feb-84	A	MEASURE	30-May-84	A	20
CA0027A	09-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0027B	15-Nov-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0027C	15-Nov-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0027D	15-Nov-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0028	09-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0049	18-Aug-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0052	10-Aug-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0054	10-Aug-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0065	07-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0067	14-Dec-82	15-Nov-83	A	24-Jan-84	A	MEASURE**	13-Feb-84	A				20
CA0068	14-Dec-82	15-Aug-83	A	24-Jan-84	A	MEASURE**	13-Feb-84	A				20
CA0069	29-Oct-82	15-Aug-83	A	24-Jan-84	A	MEASURE**	13-Feb-84	A				20
CA0070	28-Oct-82	15-Aug-83	A	24-Jan-84	A	MEASURE**	13-Feb-84	A				20
CA0114	30-Jun-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0125	04-Dec-82	15-Aug-83	A	24-Jan-84	A	CERTIFY**	13-Feb-84	A				20
CA012A	23-Jun-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA012B	23-Jun-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0134	25-Aug-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0143A	07-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0162	01-Sep-83	15-Nov-83	A	24-Jan-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0163	15-Nov-83	15-Nov-83	A	24-Jan-84	A	MEASURE, RA	23-Apr-84	A	MEASURE	30-May-84	A	90
CA0169				*14-Feb-84	A	MEASURE	23-Apr-84	A	MEASURE	30-May-84	A	69
CA0201	*10-Jul-85	10-Jul-85	A	16-Jul-85	A	MEASURE	29-Jul-85	A				13

AVERAGE REVIEW DURATION FOR CAMONSBURG
NUMBER OF PROPERTIES

69
19

DU0035	12-Jun-85	NA	A	03-Jul-85	A						37
*DU0039	NA	25-Mar-85	A	03-Apr-85	A	CERTIFY	18-Apr-85	A			15

37
15

AVERAGE REVIEW DURATION FOR DURANGO
NUMBER OF PROPERTIES

26
2

GJ0011	23-Aug-84	23-Aug-84	A	17-Sep-84	A	CERTIFY	17-Oct-84	A			30
GJ0085	01-Sep-83	16-Aug-84	A	31-Aug-84	A	CERTIFY	11-Oct-84	A			41
GJ0586	30-Nov-83	16-Aug-84	A	31-Aug-84	A	CERTIFY	11-Oct-84	A			41
GJ2787	12-Jul-84	12-Jul-84	A	24-Jul-84	A	CERTIFY	11-Oct-84	A	CERTIFY	15-Sep-84	79

VP NUMBER	BA COMPLETED	COMPLETION REPORT DATE	STA	RECEIVED FOR TAC REVIEW STA	TAC RECOMMENDATION	TAC RECOM DATE	STA	DOE DECISION	DATE OF DOE LETTER	STA	REVIEW DURATION
6J2728	22-Jul-83	*12-Jul-84	A	*24-Jul-84	A	CERTIFY	28-Aug-84	A			35
6J3025	22-Jul-83	12-Jul-84	A	24-Jul-84	A	CERTIFY	28-Aug-84	A	CERTIFY	15-Sep-84	35
6J3140	27-Oct-83	16-Aug-84	A	31-Aug-84	A	MEASURE	11-Oct-84	A			41
6J3380	28-Feb-83	12-Jul-84	A	24-Jul-84	A	CERTIFY	28-Aug-84	A	CERTIFY	15-Sep-84	35
6J3540	05-Aug-83	16-Aug-84	A	31-Aug-84	A	CERTIFY	11-Oct-84	A			41
6J5685	19-Aug-83	16-Aug-84	A	31-Aug-84	A	CERTIFY	11-Oct-84	A			41
6J6032	16-Sep-83	16-Aug-84	A	31-Aug-84	A	MEASURE	11-Oct-84	A			41
6J6941	23-Aug-83	16-Aug-84	A	31-Aug-84	A	MEASURE	11-Oct-84	A			41
6J8483	20-Sep-83	16-Aug-84	A	31-Aug-84	A	MEASURE	11-Oct-84	A			41
6J9491	30-Jun-83	16-Aug-84	A	31-Aug-84	A	MEASURE	11-Oct-84	A			41
6J9714	21-Nov-83	16-Aug-84	A	31-Aug-84	A	CERTIFY	11-Oct-84	A			41
6J9989	07-Jul-83	23-Jul-84	A	24-Jul-84	A	CERTIFY	28-Aug-84	A	CERTIFY	15-Sep-84	35
6J11404	*01-Oct-83	17-Oct-84	A	17-Sep-84	A	MEASURE	17-Oct-84	A			30

AVERAGE REVIEW DURATION FOR GRAND JUNCTION
NUMBER OF PROPERTIES

41
17

SLO002	27-Aug-82	15-Apr-83	A	*13-May-84	A	MEASURE	19-Jun-84	A			37
SLO004	19-Aug-82	15-Apr-83	A	*13-May-84	A	MEASURE	19-Jul-84	A			67
SLO005	15-Dec-81	15-Apr-83	A	*13-May-84	A	MEASURE	19-Jul-84	A			67
SLO006	15-Dec-81	15-Apr-83	A	*13-May-84	A	MEASURE	19-Jul-84	A			67
SLO007	26-Oct-82	15-May-83	A	13-May-84	A	MEASURE	22-Aug-84	A	MEASURE	22-Aug-84	101
SLO013	13-Aug-82	15-Apr-83	A	*13-May-84	A	MEASURE	19-Jul-84	A			67
SLO015	30-Aug-82	15-May-83	A	13-May-84	A	MEASURE	19-Jul-84	A			67
SLO016	30-Aug-82	15-May-83	A	*13-May-84	A	MEASURE	19-Jul-84	A			67
SLO051	01-Aug-83	10-Feb-84	A	*28-Feb-84	A	MEASURE	15-Mar-84	A	MEASURE	28-May-85	16
SLO054	29-Oct-82	15-May-83	A	*13-May-84	A	MEASURE	19-Jul-84	A			67
SLO081	04-Aug-83	10-Feb-84	A	*28-Feb-84	A	MEASURE	15-Mar-84	A	MEASURE	28-May-85	16
SLO082	19-Jul-83	10-Feb-84	A	*28-Feb-84	A	MEASURE	15-Mar-84	A	MEASURE	28-May-85	16
SLO087	04-Aug-83	10-Feb-84	A	*28-Feb-84	A	MEASURE	15-Mar-84	A	MEASURE	28-May-85	16
SLO088	29-Jul-83	10-Feb-84	A	*28-Feb-84	A	MEASURE	15-Mar-84	A	MEASURE	28-May-85	16
SLO206		23-Jul-85	A	29-Jul-85	A						

AVERAGE REVIEW DURATION FOR SALT LAKE CITY
NUMBER OF PROPERTIES

49
14

* DATE NOT AVAILABLE, ASSUMED

** RE-EVALUATED 8-APR-84

NO REMEDIAL ACTION RECOMMENDED BY N-K

"STA" IS THE STATUS OF THE COMPLETION REPORT

"A" INDICATES THE ORIGINAL COMPLETION REPORT

"B" INDICATES THE FIRST SUPPLEMENTAL COMPLETION REPORT

"C" INDICATES THE SECOND SUPPLEMENTAL COMPLETION REPORT